

Notice of Allowability

Application No.

10/785,182

Examiner

Anabel M. Ton

Applicant(s)

WANG ET AL.

Art Unit

2875

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 06/05/07.
2. ☒ The allowed claim(s) is/are 1-17.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-17 allowed.
2. The following is an examiner's statement of reasons for allowance: The prior art cited does not anticipate individually nor teach in combination the following limitations:
 - Collins, although disclosing an extruded metallic carrier having a top face and an accommodation sink and a plurality of heat dissipating channels and a light source deposited in the accommodation sink. Collins does not teach independently nor could motivation be found to combine a plurality of heat dissipating tunnels within a metallic carrier except for at least two openings at two ends of each dissipating tunnel appear on two oppositely lateral surfaces of the metallic carrier together with an accommodation sink formed thereon or a carrier having a base body and two lateral bodies, the base having a top face and a plurality first heat dissipating tunnels disposed under the body's top face within the base body, the lateral bodies having a plurality of second heat dissipating tunnels which are disposed within the two lateral bodies wherein the first and second heat dissipating tunnels are enclosed by the carrier except for at least two openings at two ends of each dissipating tunnel appear on two oppositely lateral surfaces of the carrier.
 - Mai (6,871,979), although disclosing a backlight module a reflecting sheet and the reflecting sheet having at least an opening for dissipating heat generated by

the operation of the light source generator of the back light module, Mai does not disclose a carrier having a base body and two lateral bodies, the base having a top face and a plurality first heat dissipating tunnels disposed under the body's top face within the base body, the lateral bodies having a plurality of second heat dissipating tunnels which are disposed within the two lateral bodies wherein the first and second heat dissipating tunnels are enclosed by the carrier except for at least two openings at two ends of each dissipating tunnel appear on two oppositely lateral surfaces of the carrier; or a plurality of heat dissipating tunnels within a metallic carrier except for at least two openings at two ends of each dissipating tunnel appear on two oppositely lateral surfaces of the metallic carrier together with an accommodation sink formed thereon

- Norell et al (4,205,719), although disclosing heat dissipating channels throughout the bottom of a module with two openings at two ends of the heat dissipating tunnels along a lateral surface of the module, Norell does not disclose a plurality of heat dissipating tunnels within a metallic carrier except for at least two openings at two ends of each dissipating tunnel appear on two oppositely lateral surfaces of the metallic carrier together with an accommodation sink formed thereon; or a carrier having a base body and two lateral bodies , the base having a top face and a plurality first heat dissipating tunnels disposed under the body's top face within the base body, the lateral bodies having a plurality of second heat dissipating tunnels which are disposed within the two lateral bodies wherein the first and second heat dissipating tunnels are enclosed by the carrier except for at

least two openings at two ends of each dissipating tunnel appear on two oppositely lateral surfaces of the carrier.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anabel M. Ton whose telephone number is (571) 272-2382. The examiner can normally be reached on 08:00-16:30.

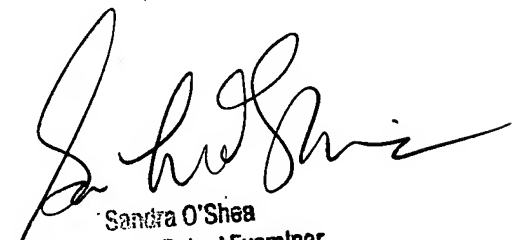
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Anabel M Ton
Examiner
Art Unit 2875

AMT



Sandra O'Shea
Supervisory Patent Examiner
Technology Center 2800